

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|---------------------|
| S2 | 10 | "6548442".pn. or "6239059".pn. or "3718636".pn. or wo- 0004058-\$ did. or wo- 2005075525-\$ did. | US-PGPUB; USPAT; DERWENT | AND | ON | 2009/01/05 12:24 |
| S5 | 2 | "5643847".pn. | US-PGPUB; USPAT; DERWENT | AND | ON | 2009/01/06 10:28 |
| S6 | 26 | ("6239059").URPN. | USPAT | AND | ON | 2009/01/06 10:30 |
| S7 | 80 | (diethyl adj aluminum adj fluoride) or diethylalumin \$1umfluoride | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:51 |
| S8 | 10 | S7 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:51 |
| S9 | 7300 | \$aluminumfluoride or \$aluminiumfluoride or ((\\$aluminum or \$aluminium) adj fluoride) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:55 |
| S10 | 240 | S9 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:56 |
| S11 | 84 | S10 (functional\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:57 |
| S12 | 137 | S10 support | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:57 |
| S13 | 154 | S10 (porous or support) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 10:57 |
| S14 | 1121 | S9 same3 silica | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 11:14 |
| S15 | 48 | S14 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 11:14 |
| S16 | 738 | S9 same silica | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 11:49 |
| S17 | 8 | S16 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/01/06 11:49 |

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|-----|------|---|--|-----|----|---------------------|
| S18 | 1 | fr-2769245-\$ did. | US-PGPUB; USPAT; JPO; DERWENT | AND | ON | 2009/01/06 14:52 |
| S19 | 1 | "6147174".pn. | USPAT | AND | ON | 2009/01/06 15:28 |
| S20 | 1 | "4607019".pn. | USPAT | AND | ON | 2009/01/06 15:37 |
| S21 | 1 | "6239059".pn. (magnesium or mg) | USPAT | AND | ON | 2009/01/06 15:51 |
| S22 | 20 | ("4607019").URPN. | USPAT | AND | ON | 2009/01/06 16:45 |
| S23 | 1531 | zirconocene catalyst | USPAT | AND | ON | 2009/01/06 17:37 |
| S24 | 1371 | zirconocene catalyst olefin | USPAT | AND | ON | 2009/01/06 17:37 |
| S25 | 697 | zirconocene catalyst olefin aluminoxane | USPAT | AND | ON | 2009/01/06 17:38 |
| S26 | 6 | zirconocene catalyst olefin aluminoxane @py<="1990" | USPAT | AND | ON | 2009/01/06 17:38 |
| S27 | 0 | "6329059".pn. (aluminum adj magnesium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:48 |
| S28 | 0 | "6329059".pn. (aluminum near2 magnesium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:48 |
| S29 | 0 | "6239059".pn. (aluminum near2 magnesium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:48 |
| S30 | 0 | "6239059".pn. (aluminum near2 magnesium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:49 |
| S31 | 0 | "6239059".pn. (aluminium near2 magnesium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:49 |
| S32 | 1 | "6239059".pn. aluminium magnesium | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 10:49 |
| S33 | 2 | "6239059".pn. metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/06/24 14:09 |
| S34 | 2 | "US 20090042720" | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2009/09/15 16:37 |
| S35 | 7777 | \$aluminumfluoride or \$aluminiumfluoride or ((\$aluminum or \$aluminium) adj fluoride) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:50 |

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| S36 | 273 | S35 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:50 |
| S37 | 3 | S36 pyrol\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:50 |
| S38 | 50569 | \$ocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:53 |
| S39 | 34762 | S38 catalyst | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:53 |
| S40 | 1222 | S39 (pyroly\$5 or pyroli\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 11:53 |
| S41 | 90 | S39 ((pyroly\$5 or pyroli\$5) with (support or carrier or silica or porous or monolith)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 12:09 |
| S42 | 118 | S36 calcin\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 12:18 |
| S43 | 173 | S38 adj support | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:29 |
| S44 | 67 | S43 (calcin\$5 or pyrolys\$5 or pyrolyz\$5 or pyroliz\$5 or pyrolyz\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:29 |
| S45 | 3 | S44 (pyrolys\$5 or pyrolyz\$5 or pyroliz\$5 or pyrolyz\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:31 |
| S46 | 749 | S38 near support | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:33 |
| S47 | 26 | S46 (pyrolys\$5 or pyrolyz\$5 or pyroliz\$5 or pyrolyz\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:34 |
| S48 | 2 | us-6239059-.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 13:56 |
| S49 | 30 | ("6239059").URPN. | USPAT | AND | ON | 2009/11/12 14:01 |
| S50 | 3 | ("6605561").URPN. | USPAT | AND | ON | 2009/11/12 14:01 |
| S51 | 1 | ("6780946").URPN. | USPAT | AND | ON | 2009/11/12 14:01 |
| S52 | 32 | S49 or S50 or S51 | USPAT | AND | ON | 2009/11/12 14:01 |
| S53 | 0 | S52 pyrol\$5 | USPAT | AND | ON | 2009/11/12 14:02 |

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|-----|---------|--|------------------------------------|-----|----|------------------|
| S54 | 31 | S52 alkox\$4 | USPAT | AND | ON | 2009/11/12 14:02 |
| S55 | 3399 | S38 near10 (activator or activater or activated or activating) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 14:21 |
| S56 | 733 | S55 fluoride aluminum | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 14:22 |
| S57 | 132855 | \$aluminumfluoride or \$aluminiumfluoride or ((\$aluminum or \$aluminium) fluoride) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 15:25 |
| S58 | 3870 | S57 metallocene | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 15:26 |
| S59 | 246 | S58 (pyroli\$5 or pyroly\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 15:26 |
| S60 | 691 | S58 (heat adj treat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:02 |
| S61 | 35 | S58 ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:03 |
| S62 | 31622 | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:36 |
| S63 | 196 | S62 ziegler | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:38 |
| S64 | 1911321 | (alumin\$ or organoaluminum or organoaluminium) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:39 |
| S65 | 177 | S63 S64 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:39 |
| S66 | 54 | S65 (fluorine or fluoride) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:39 |
| S67 | 72 | S65 (fluorine or fluoride or fluorina\$4 or fluorida\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:40 |
| S69 | 1921567 | (alumin\$ or \$aluminum or \$aluminium or \$aluminoxane or \$aluminoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:44 |
| S70 | 179 | S63 S69 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:46 |

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|-----|---------|--|------------------------------------|-----|----|------------------|
| S71 | 73 | S70 (fluorine or fluoride or fluorina\$4 or fluorida\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 16:47 |
| S72 | 265845 | S69 (fluorine or fluoride or fluorina\$4 or fluorida\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:00 |
| S73 | 90151 | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolysis\$5 or pyrolyz\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:09 |
| S74 | 10154 | S72 S73 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:09 |
| S75 | 254060 | (polymeris\$5 or polymeriz\$5) catalyst | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:10 |
| S76 | 2405 | S74 S75 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:10 |
| S77 | 264 | S76 ziegler | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:10 |
| S78 | 194 | S77 not S70 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/12 17:11 |
| S79 | 2319 | 526/943.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:03 |
| S80 | 90 | 526/902.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:05 |
| S81 | 31622 | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:05 |
| S83 | 29 | (S79 or S80) S81 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:06 |
| S84 | 1921567 | (alumin\$ or \$aluminum or \$aluminium or \$aluminoxane or \$aluminoxide) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S85 | 179 | S82 S84 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S86 | 265845 | S84 (fluorine or fluoride or fluorina\$4 or fluorida\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |

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|-----|--------|--|------------------------------------|-----|----|------------------|
| S87 | 90151 | ((heat adj treat\$4) near10 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolis\$5 or pyroliz\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S88 | 10154 | S86 S87 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S89 | 254060 | (polymeris\$5 or polymeriz\$5) catalyst | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S90 | 2405 | S88 S89 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S91 | 264 | S90 ziegler | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S92 | 194 | S91 not S85 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |
| S93 | 16 | S83 not S85 not S92 | US-PGPUB; USPAT; EPO; JPO; DERWENT | AND | ON | 2009/11/13 16:09 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|-------------|------------------|---------|------------------|
| S95 | 161214 | (alumin\$ or \$aluminum or \$aluminium or \$aluminoxane or \$aluminoxide).clm. | USPAT; UPAD | AND | ON | 2009/11/17 16:07 |
| S96 | 60969 | (fluorine or fluoride or fluorina\$4 or fluorida\$4).clm. | USPAT; UPAD | AND | ON | 2009/11/17 16:09 |
| S97 | 12626 | (((heat adj treat\$4) or heating or heated) near5 (inert or nitrogen or argon or vacuum)) or pyrolysis or pyrolyz\$5 or pyrolys\$5 or pyrolis\$5 or pyroliz\$5).clm. | USPAT; UPAD | AND | ON | 2009/11/17 16:12 |
| S98 | 158 | S95 S96 S97 | USPAT; UPAD | AND | ON | 2009/11/17 16:13 |
| S99 | 61032 | (fluorine or fluorid\$3 or fluorina\$4 or fluorida\$4).clm. | USPAT; UPAD | AND | ON | 2009/11/17 16:14 |
| S100 | 158 | S95 S99 S97 | USPAT; UPAD | AND | ON | 2009/11/17 16:14 |

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